8 9 10 11 12 13 14 15 16 17 18 19

20 21 22 23 24 25 26

27 28 29 30

```
19 30 21 22
36 27 28 29
                                              Thursday
        n=52
        元 = 98.28
      5= 0.6824
                                        salistied?
   constructing
  Explain
=> confidentée interval are
                                  conducted
  statistical methods such: as it test . A't
         is a type of inferential
                    there is a significant difference
                            test
  standard · · deviation
                    confidence Inkrual
```

Friday

$$n = 52$$

 $\bar{x} = 98.28$

degree of df. n-52-1 freedom

17. 93% 0.01

Using Excel

170 m task

(0.6824

52

Using tale from Excel

$$E = \frac{2.40(0.6824)}{\sqrt{52}} =$$

7.2/11

50.226

Saturday

X= 98.28

Opper band = x+E = 98.28 + 0.222

= 98.50

lower band = X - E = 98.28-0.227 -

= 98.05

Mean Value lies between 98.50. & 98.05

(C) Give a two sided hypothesis lest for a mean body temp of 1986 f & use the information above to evaluate a lest with significance level &= 002

=> Null hypothesis:

23 Sunday

Body temp of adult (healty) is 98.6 F

480.0

Ho = 11 = 98.6

Alkinate hypothesis!
Body kup of adout (healty) is not equal to 18.6 F

: HA= U+ 98.6

the wint body that with